PTO/SB/82 (09-03)
Approved for use through 11/30/2005. OMB 0651-0035
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

REVOCATION OF POWER OF ATTORNEY WITH NEW POWER OF ATTORNEY AND CHANGE OF CORRESPONDENCE ADDRESS

Application Number	09/387,153	DEOF
Filing Date	8/9/1999	RECEIVED
First Named Inventor	SIBBALD	CENTRAL FAX CENTE
Art Unit	2644	AUG 0 6 2004
Examiner Name	FAULK, Dev	
Attorney Docket Number	62-194	

I hereby revok	e all previ	ous powers of att	orney given in the at	bove-identific	ed application		ULLICIA
A Power	of Attorn	ey is submitted he	erewith.				
OR X I hereby	appoint ti	ne practitioners as	ssociated with the C	ustomer Nu	mber:	400	032
X Please c	hange the	e correspondence	address for the abo	ove-identifie	d application	to:	
X The address associated with 40032 Customer Number:							
OR			•				
Firm or Individual	Name						
Address	\						· · · · · · · · · · · · · · · · · · ·
Address							
City				State	·	Zip	
Country					·		
Telephone				Fax			
l am the:	ent/Invest	ior	•				
	ant/Invent	UI.					
			erest. See 37 CFR 3.1 enclosed. (Form PT)				
		SIGNATU	URE of Applicant or	Assignee of	Record		
Name	CHON H	OCK LEOW			••		
Signature	3	1	with ahm	$\overline{\mathcal{I}}$	· · · · · ·		
Date	4/3/04/ Telephone (408) 428-6600						
NOTE: Signatures of signature is required		ntors or assignees of reco	rd of the entire interest or th	eir representative			e forms if more than one
_ You lest of	1	_ forms ere submitted.					

This collection of information is required by 37 CFR 1.36. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Paterni and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PTC/SB/96 (06-03)

Approved for use through 07/31/2006. QMB 0851-0031

U.S. Petent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid QMB control number.

STATE	MENT UNDER 37 CFR 3.73(b)
Applicant/Patent Owner:CREATIVE TECHNOLO	GY LTD.
Application No./Patent No.: 09/367,153	Filed/Issue Date: 8/9/1999
Entitled: NEAR-FIELD DISTANCE EFFECTS F	OR 3D-SOUND SYNTHESIS
CREATIVE TECHNOLOGY LTD.	, a <u>CORPORATION</u>
(Name of Assignee)	(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)
states that it is: 1. \boxed{X} the assignee of the entire right, title, and integral	erest; or
2. an assignee of less than the entire right, title The extent (by, percentage) of its ownership in the patent application/patent identified above by	o interest is %
A (1 An essignment from the inventor(s) of the	patent application/patent identified above. The assignment was recorded to Reel/Frame, or for which a copy thereof is attached.
OR	
B. [X] A chain of title from the inventor(s), of the shown below:	patent application/patent identified above, to the current assignee as
The document was recorded in the Unite Reel 010303 , Frame 2. From: Central Research Laboratories L. The document was recorded in the Unite	To: Central Research Laboratories Limited ed States Patent and Trademark Office at 0305, or for which a copy thereof is attached. imited To: Creative Technology Ltd. ed States Patent and Trademark Office at , or for which a copy thereof is attached.
3. From:	То:
The document was recorded in the Unite Reel, Frame	ed States Patent and Trademark Office at, or for which a copy thereof is attached.
[] Additional documents in the chain of titi	le are listed on a supplemental sheet.
[X] Copies of assignments or other documents [NOTE: A separate copy (i.e., the original a must be submitted to Assignment Division is recorded in the records of the USPTO. See	issignment document or a true copy of the original document) n accordance with 37 CFR Part 3, if the assignment is to be
The undersigned (whose title is supplied below) is	authorized to act on behalf of the assignee.
4/2/04	CHON HOCK LEOW
Date	Typed or printed rapid
(408) 428-6600	
Telephone number	Signature
	CHIEF TECHNOLOGY OFFICER
_	Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SENIO TO: Commissioner for Patents, P.O. Box 1460, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

DECORDATION FO	RM COVER SHEET U.S. DEPARTMENT OF COMMERCE			
U.S. Patent and Trademark Office				
OMB No. 0651-0027 (exp. 6/30/2005) PATENTS ONLY				
Tab settings ⇔⇔ ♥ ▼	<u> </u>			
To the Honorable Commissioner of Patents and Trademark	s: Please record the attached original documents or copy thereof.			
Name of conveying party(les):	2. Name and address of receiving party(ies)			
CENTRAL RESEARCH LABORATORIES LIMITED	Name: CREATIVE TECHNOLOGY LTD.			
	Internal Address: LEGAL DEPARTMENT			
Additional name(s) of conveying party(es) attached? Yes				
3. Nature of conveyance:				
Assignment Merger	Street Address: 31 International Business Park			
Security Agreement Change of Name	CREATIVE RESOURCE			
Other	CINOADOR			
	City: SINGAPORE State: Zip: 609921			
12/3/2003 Execution Date:	Additional name(s) & address(es) attached? Yes 🕢 No			
4. Application number(s) or patent number(s):	•			
If this document is being filed together with a new ap	plication, the execution date of the application is:			
A. Patent Application No.(s) 09/381,100	B. Patent No.(s)			
Additional numbers	attached? Yes No			
	6. Total number of applications and patents involved: 18			
concerning document should be mailed:				
Name: P. FRANCOIS DE VILLIERS	7. Total fee (37 CFR 3.41)\$720.00			
Internal Address:CREATIVE LABS, INC.	Enclosed			
LEGAL DEPARTMENT	Authorized to be charged to deposit account			
1901 MCCARTHY BOULEVARD	8. Deposit account number:			
Street Address: 1901 MCCARTHY BOULEVARD				
City: MILPITAS State: CA Zip: 95035				
DO NOT US	SE THIS SPACE			
9. Signature.				
	·			
	$\lambda u \rightarrow l u$			
P. FRANCOIS DE VILLIERS	1/1 2/20/04			
Name of Person Signing	Signature Date			
Total number of pages including co	wer sheet, attachments, and documents: 8.			

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

CONTINUATION OF RECORDATION FORM COVER SHEET ITEM NUMBER 4.

Assignment of:

Application No.	Patent No.		
09/270,768	n/a		
09/367,153	n/a		
09/185,711	n/a		
09/579,122	n/a		
09/709,446	n/a		
09/711,539	n/a		
10/220,722	n/a		
08/537,437	5,666,425		
08/271,602	5,600,727		
08/663,317	5,751,815		
08/640,777	6,643,375		
08/851,721	5,917,916		
09/171,366	6,208,687		
09/403,523	6,402,782		
09/335,759	6,498,857		
09/332,601	6,577,736		
09/297,460	6,614,910		

Ashurst Morris Crisp

Patent Assignment (USA)

Central Research Laboratories Limited and Creative Technology Ltd.

THIS ASSIGNMENT is made on 3 DELEWISER 2003

BETWEEN:

- (1) CENTRAL RESEARCH LABORATORIES LIMITED (No. 02684463) whose registered office is at Dawley Road, Hayes, Middlesex UB3 (the "Assignor");
- (2) CREATIVE TECHNOLOGY LTD. (incorporated in Singapore) whose principal place of business is at 31 International Business Park, Creative Resource, Singapore 609921 (the "Assignee").

RECITAL

By an agreement made between the Assignor, the Assignce and others dated on or about the date of this agreement (the "Sale and Purchase Agreement") the Assignor agreed to assign to the Assignee on the terms set out in this assignment the patents ("Patents") and the benefit of the patent applications (the "Patent Applications") details of which are set out in the schedule hereto.

THE PARTIES AGREE AS FOLLOWS:

1. ASSIGNMENT

- 1.1 In pursuance of the Sale and Purchase Agreement and in consideration of the sum of £1 now paid by the Assignee to the Assignor (receipt of which the Assignor hereby acknowledges), the Assignor hereby assigns to the Assignee absolutely all its right, title and interest in and to:
 - (a) the Patents; and
 - (b) the Patent Applications (for the avoidance of doubt including in respect of all countries designated in the Patent Applications), to the intent that the grant of any patent thereon shall be in the name of and vest in the Assignee,

together with all the Assignor's statutory and common law rights attaching to the Patents and the Patent Applications and all rights, privileges and powers arising or accrued therefrom including, without limitation, the right to bring proceedings for damages and other remedies in respect of any infringement occurring prior to the date hereof of the rights assigned by this assignment and to retain any damages obtained as a result of such proceedings.

1.2 The assignment of the rights in the Patents and Patent Applications shall also include the right to apply for, prosecute and obtain patents (or similar protection) that may derive priority from or have equivalent claims to or be based on the Patents or the Patent Applications in any country in the world.

2. FURTHER ASSURANCE

2.1 The Assignor further covenants that at the request and cost of the Assignee it will at all times hereafter do all such acts and execute all such documents as may reasonably be necessary or desirable to enable the Assignee or, if it shall so direct, any other member of the Buyer's Group (as defined in the Sale and Purchase Agreement) to enjoy the benefit of the rights

hereby assigned, to apply for and obtain registration of the Assignee or such other member of the Buyer's Group as the registered proprietor of the Patents and the Patent Applications and otherwise to give effect to this assignment. The Assignee hereby undertakes to indemnify the Assignor against all liabilities, obligations and costs incurred by the Assignor in enabling, at the Assignee's request, a member of the Buyer's Group other than the Assignee to enjoy the benefit of the rights hereby assigned.

2.2 At the Assignee's request and cost, the Assignor shall as soon as reasonably practicable transfer, and shall procure the transfer by the relevant members of the Sellers' Group (as defined in the Sale and Purchase Agreement) of, all files and records (including those in the possession of its agents) relating to the filing, prosecution and maintenance of the Patents and the Patent Applications.

3. ENTIRE AGREEMENT

3.1 This assignment and the Sale and Purchase Agreement (including without limitation any warranties, covenants, undertakings and indemnities set out therein) set out the entire agreement and understanding between the parties in respect of the subject matter of this assignment.

4. GOVERNING LAW

4.1 This assignment shall be governed by and construed in accordance with English law and the English courts shall have exclusive jurisdiction in respect of it.

IN WITNESS whereof this assignment has been executed on the date first above written.

SCHEDULE Patents and Patent Applications

Priority	. Title	Application No.	Publication No.	Status
23 Apr 93	Sound-recording, processing and reproduction means.	USA 08/537,437	US 5,666,425	US Granted 9 Sept 97
17 Jul 93	Determination of position.	USA 08/271,602	US 5,600,727	US Granted 2 Feb 97
21 Dec 93	3D-audio signal balance control.	USA 08/663,317	US 5,751,815	US Granted 12 May 98
25 Nov 93	Transaural crosstalk signal processing means.	USA 08/640,777	US 6,643,375	Granted 4/11/2003
16 Apr 96	Filter switching method.	USA 09/171,366	US 6,208,687	Granted
17 May 96	Headphone switching device.	USA 08/851,721	US 5,917,916	US Granted 29.06.99
1 Dec 96	Stereo sound expander.	USA 09/297,460	US 6614 910	Granted 2 September 2003
19 Apr 97	Telephone transmission of 3D- sound.	USA 09/381,100		Pending
15 May 97	Improved artificial ear and canal, and method of making same.	USA 09/403,523	US 6,402,782	Granted
17 Mar 98	Sensaura with rear lo-pass filter.	USA 09/270768		Pending
13 Dec 97	Near-field distance effects for 3D-sound synthesis.	USA 09/367,153		Pending
20 Jun 98	Composite/distributed sound sources for 3D-Sound.	USA 09/335,759	US 6,498,857	Granted
24 Jul 98	Distance dependent crosstalk cancellation.	USA 09/185,711		CIP with 12,582, 4.11.98
15 Oct 98	Multi-speaker method for 3D- sound reproduction.	USA 09/332601	US 6,577,736	Granted
29 May 99	Scaled Head-Related Transfer Functions.	US 09/579,122	`	Pending
7 March 00	Novel ambient noise- cancellation means for mobile telephones and beadphones.	US 10/220,722		Pending
19 Sept 00	Sound-wave scattering synthesis for improved headphone virtualisation.	US 09/709,446		Pending
19 th Sep 00	Wavelet-based signal-processing engine for the synthesis of sound-wave scattering effects.	US 09/711,539		Pending

Signed by

KEN GRA

for and on behalf of CENTRAL

RESEARCH LABORATORIES

LIMITED in the presence of:

Nolver

Signed by Ng Keh Long

for and on behalf of CREATIVE TECHNOLOGY LTD. in the presence of:

Ng Keh Long

MICHAEL WOONG

(Lagal Manager)

CREATIVE TECHNOLOGY LTD
31 International Business Park
Creative Resource
Singapore 609921
Tet:695 4000 Fex;696 4999

CLI

RECEIVED CENTRAL FAX CENTER AUG 0 6 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

OFFICIAL

In re application of:

SIBBALD, et al.

Application No.: 09/367,153

Filed: August 9, 1999

For: A METHOD OF PROCESSING AN

AUDIO SIGNAL

Examiner:

Devona E. Faulk

Art Unit:

2644

CERTIFICATE OF TRANSMISSION UNDER 37 CFR 1.8

I hereby certify that the following correspondence is being facsimile transmitted to the United States Patent and

Trademark Office on August 6, 2004.

Cynthia K. Dawn

Cynthia K. Dawn

RESUBMISSION OF CHANGE OF CORRESPONDENCE ADDRESS AND REVOCATION OF POWER OF ATTORNEY WITH NEW POWER OF ATTORNEY

At the request of Forester W. Isen, Supervisory Examiner for Art Unit 2644, Applicants hereby resubmit the Change of Correspondence Address, Revocation of Power of Attorney with New Power of Attorney previously submitted by First Class Mail on April 4, 2004.

- 1. Revocation of Power of Attorney with New Power of Attorney and Change of Correspondence Address.
- 2. Statement Under 37 CFR 3.73(b);
- 3. Patent Cover Sheet and Copy of Assignment;
- 4. Copy of PTO Stamped Return Receipt Postcard.

FAX NO. (GROUP 2644): 703-872-9306

TOTAL NO. OF PAGES: 12

Respectfully submitted.

Russell N. Swerdon Reg. No. 36,943

Date: August 6, 2004

Creative Labs – Legal Dept. 1901 McCarthy Blvd. Milpitas, CA 95035 Te1 (408) 428-6699 Fax (408) 428-6699 First Class Mail for Patent App. No. 09/367,153

Items enclosed:

- 1. Exercization of Power of Attorney with New Power of Attorney
 and Enange of Correspondence Address;
 2. Statement Under 37 CFR 3.73(b);
- 3. Patent Cover Sheet and Copy of Assignment;4. Return Receipt Postcard.